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62-10655

Khaletskii, A. M.
BETA-SITOSTEROL. [1962] 5p. 11 refs.
Order from OTS or SLA \$1.10 62-10655

Trans. of Bumazh[naya] Prom[yshlennost'] (USSR)
1961, v. 36, no. 4, p. 10-11.

DESCRIPTORS: *Steroids, Cholesterol, *Sitosterols,
Synthesis, Sulfates, Cellulose.

(Biological Sciences--Pharmacology, TT, v. 8, no. 7)

I. Khaletskii, A. M.

Office of Technical Services

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Kalistratov, G. A. and Skvortzova, Ya.
SEPARATION OF HARMFUL PITCH IN THE PROC-
ESS OF BEATING PULP. [1961] [5]p.
Order from OTS or SLA \$1.10 62-14358

Trans. of Bumazh[naya] Prom[yshlennost'] (USSR)
1961, v. 36, no. 5, p. 9-10.

DESCRIPTORS: *Wood pulp, Processing, *Pitch,
Separation, *Paper, Manufacturing methods.

After the introduction at the Sokolski Mill of the con-
tinuous beating of pulp, which passes from beater to
beater through channels made of stainless steel and
placed at an angle of 25°, it was observed that the
amount of pitch deposited on the Fourdrinier wire
decreased considerably. This phenomenon was
caused by a decrease of the temperature of the pulp
after beating from 55-60° to 30-45° and by the re-
deposition of pitch on the surface of the metallic
(Materials--Paper, TT, v. 8, no. 3) (over)

62-14358

I. Kalistratov, G. A.
II. Skvortzova, Ya.

(RUSSIAN to SPANISH LV.)
OTS 62-29203

Office of Technical Services

Saegirev, M. M.
REGULACION AUTOMATICA DE LA TEMPERATURA
EN EL PROCESO DE DESFIBRADO (Avtomaticheskoe
Regulirovanie Temperatury Defibrirovaniya) (Auto-
matic Temperature Control in the Fiber Removing
Process). 7p. CID: 62-244.
Order from OTS, ETC or CID \$0.80 62-29244

Trans. in Spanish of Bumazhnaya Promyshlennost'
(USSR) 1961, v. 36, no. 5, p. 25-26.

DESCRIPTORS: *Automation, *Fibers, Temperature
control.

(Materials, TT, v. 10, no. 8)

62-29244

I. Saegirev, M. M.
II. CID-62-244
III. Centro de Información
y Documentación,
Madrid (Spain)

Office of Technical Services

62-16074

Rozenberger, N. A. and Naumov, V. V.
BASIC TRENDS IN THE PRODUCTION DEVELOP-
MENT OF SEMI-FINISHED FIBROUS PRODUCTS.
[1962] 11p.
Order from OTS or SLA \$1.60 62-16074

Trans. of Bumazhnaya Promyshlennost' (USSR) 1961
[v. 36] no. 9, p. 4-7.

DESCRIPTORS: Fibers, *Paper industry, *Wood pulp,
*Cellulose, Paper, Manufacturing methods, Industrial
production.

(Materials--Paper, TT, v. 9, no. 4)

I. Rozenberger, N. A.
II. Naumov, V. V.

Office of Technical Services

62-16075

Bobrov, A. I. and Turbanova, A. D.
COOKING FIR WOOD PULP WITH MAGNESIUM
BISULPHIDE AT RAISED TEMPERATURES. [1962] 5p.
Order from OTS or SLA \$1.10 62-16075

Trans. of Bumazhnaya Promyshlennost' (USSR) 1961
[v. 36] no. 10, p. 4-5.

DESCRIPTORS: *Wood pulp, *Magnesium compounds,
*Sulfides, Temperature, *Wood pulp fibers, *Cellulose,
Lignin, Processing, Mechanical properties, Black
liquor

The temperature of the bisulfite cooking, raised from
170 to 190 deg, does not influence the magnitude of the
fiber yield of the fir wood pulp which is equal to 50.9 -
51.9% at the time when the cellulose is finished and
contains 4.5 - 4.9% of lignin. It is accompanied by an
increased content of alpha-cellulose (from 88 to 88.9%)
and a reduced amount of pentosans (from 6.5 to 5%). It
(Materials--Wood, TT, v. 9, no. 3) (over)

1. Title: Fir
2. Title: Kraft cooking
- I. Bobrov, A. I.
- II. Turbanova, A. D.

Office of Technical Services

62-18875

Karlitskii, Sh. M. and Komarovskii, L. E.
CONTINUOUS GRINDING OF WOOD PULP FOR CON-
DENSER PAPER. [1962] 7p. (figs. omitted) 6 refs.
Order from OTS or SLA \$1.10 62-18875

Trans. of Bumazhn[aya] Promyshlennost' (USSR) 1961,
v. 36, no. 12, p. 12-14.

DESCRIPTORS: Manufacturing methods, *Paper, *Wood
pulp, Grinders, Capacitors.

The results of these tests proved the possibility of ob-
taining a quality condenser paper, 10 microns thick,
from the wood pulp, ground only in cone grinders in
continuous operation. It has been found that the applica-
tion of cone grinders with basalt trimmings is econom-
ically more expedient than the use of rollers for the
same purpose. (Author)

(Materials--Paper, TT, v. 9, no. 6)

I. Karlitskii, Sh. M.
II. Komarovskii, L. E.

Office of Technical Services

(NY-3000)

DIGESTION OF PULP FOR THIN CAPACITOR PAPER,
BY B. G. MILOV, M. I. VITOTOVA, 7 PP.

RUSSIAN, PER, BUMAZHNAYA PROM, NO 1, 1962,
PP 17-19.

JPRS 14398

USSR
ECON
SCI - CHEM

202,321

Flyate, D. M. and Levdk, I. Yu.
SOME IRREVERSIBLE PHENOMENA IN DRYING
PAPER AND CELLULOSE (PULP). [1962] 10p.
(figs. omitted) 13 refs.
Order from OTS or SLA \$1.10

62-20470

Trans. of Bumazhn[aya] Prom[yshlennost'] (USSR) 1962,
v. 37, no. 3, p. 14-16.

DESCRIPTORS: *Paper, *Cellulose, Dehydration,
Wood pulp fibers, Mechanical properties.

(Materials--Paper, TT, v. 9, no. 11)

62-20470

I. Flyate, D. M.
II. Levdk, I. Yu.

Office of Technical Services

P. T. Lyubarets

Electromagnetic treatment of Boiler Feed water. 5 pp
BUMAZHNAYA PROMYSHLENNOST', Vol 37, No 3, 1962,
pp 26-27
AIR/FTD-HT-23-1642-72

jan 73

(NY-1830)

IMPROVEMENTS IN PRODUCT QUALITY AT THE KRASNOKAMSK
METAL SCREEN PLANT, BY A. T. CHUMADUROV, 7 PP.

RUSSIAN, PER, BUMAZHNAYA PROMY, 1962, NO 5,
PP 19, 20.

JPRS 14882

USSR

ECON

SCI 7 M/M

AUG 62

208,410

(SF-2276)

PULP AND PAPER INDUSTRY IN CUBA, BY V. N. SHUL'GIN, V. I. MUDRIK, 8 PP.

RUSSIAN, PER, BUMAZHNAYA PROMYSHLENNOST', NO 5, 1962, PP 28-31.

JPRS 14815

LA - CUBA
ECON
AUG 62

206,338

Let Us Concentrate Efforts on the Basic Trend in
Automation, by M. I. Lyudmirskiy.
RUSSIAN, per, Bumazhn Prom, Vol. 37, No 10, 1962,
pp 4-6.
ATS RJ-5237

Sci-Mech
July 69

385,776

AUTOMATION IN THE PULP AND PAPER INDUSTRY,
BY L. N. PREOBRAZHENSKIY, S. S. GRANAT,
8 PP.

RUSSIAN, PER, BUMAZHNAYA PROMYSHLENNOST',
NO 10, OCT 1962, PP 6-8.

JPRS 16950

USSR
ECON
JAN 63

218,807

TT-64-12062

Balmasov, E. Ya.
CENTRALIZATION OF CONTROL: THE MOST IM-
PORTANT REQUISITE IN EXTENSIVE AUTOMATION.
[1963] 6p
Order from ATS \$9.00 ATS-28Q72R

Trans. of Bumazhn[aya] Prom[yshlennost'] (USSR) 1962,
v. 37, no. 10, p. 11-13.

DESCRIPTORS: *Automation, Control systems.

(Research Methods, Techniques and Equipment, TT,
v. 11, no. 3)

I. Balmasov, E. Ya.
II. ATS-28Q72R
III. Associated Technical
Services, Inc.,
East Orange, N. J.

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Plastics in Paper Making, by B. B.
Gutman, et al.
RUSSIAN, per, Bumazh Prom-st.
1963, Vol XXXVIII, No VIII, pp 10-11.
NLL 5828.4 1964 (10,558) (On Loan)

68/256/T. 1587

Aug 65

286,418

Hydro-Transport of Wood Chips in Pipeline,
V. V. Korobov, 5 pp.
RUSSIAN, per, Burmajnaya Prom, No 1, 1964,
pp 13-15.
CIA/FDD X-5681

Sci - M/M
Aug 65
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287,534

Meter for Measuring the Moisture of
Paper Web, 9 pp.
RUSSIAN, per, Bumazhnaya Promy, No 1, 1964,
pp 22-24.
CIA/FDD XX-1714
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Jun 65
USIB Internal Use Only

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The Chemical Pulp and Paper Industry in 1964 and
1965, 5 pp.
RUSSIAN, per, Bumashnaya Prom, No 2, 1964,
pp 1-2.
NLL Translation Bulletin
Vol VI, No 6, 1964

USSR
Econ
Jul 64

262,970

Behaviour of Sulphur in the Boiling of Spruce
Wood With Sodium Sulphide, by V. Schegolev.
RUSSIAN, per, Bumazhnaya Promyshlennost",
No 7, 1964, pp 3-7.
CSIRO/No. 7430

Sci -
Aug 67

335,832

The Cause of Flocculation in Producing Paper
by a Dry Method, by A. E. Gushchin. 11 p.
RUSSIAN, per, Bumazhaya Promyshlennost, Vol 39,
No 5, 1964, pp 8-9.
NLL RTS-2888

Sci-M&M
Jul 66

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Avenues of Development in the Pulp and Paper
Industry, 8 pp.
RUSSIAN, per, Bumashnaya Promysklemost', No
6, Jun 64, pp. 1-3.
JPRS 30272

USSR
Econ
Jun 65

231,201

More Rapid Utilization of New Pulp-Paper Pro-
duction Capacities Needed, 6 pp.
RUSSIAN, per, Dumskaya Promyshlennost', No 7,
Jul 64, pp. 1-2.
JPRS 30326

USSR
Econ
Jun 65

281,265

Behaviour of Sulphur in the Cooking of Spruce
Wood with Sodium Sulphide, by V. Shchegolev,
V. Nikitin.

RUSSIAN, per, Bumazhnaya Promyshlennost'

No. 7, 1964, pp 3-7

CSIRO/No. 7430

Sci -

Aug 67

335-589

Film Formation in the Manufacture of Vulcanized
Fiber, by F. I. Korchemkin.
RUSSIAN, per, Bumazhn Prom, Vol 39, No 7, 1964,
pp 14-16.
ATS RJ-5229

Sci-Meth & Equip
July 69

3865,766

Distribution of Resin in the Process
of Sulphite Pulping of Water Stored
Wood, by S. S. Malevskaya.
RUSSIAN, per, Bumazhnaya Promyshlennost,
No 12, 1964, pp 7-9.
NTC 72-10491-11L

Apr 72

Preparation and Investigation of Low-Substituted
Hydroxyethylcellulose, by Ye. I. Akin.
RUSSIAN, per, Bumazhn Prom, No 12, 1964, pp 193-
198.
ATS RJ-5230

Sci-Chem
July 69

385,767

Acetylation of Slightly Substituted Hydroxyethyl-
cellulose, by Ye. L. Akin.

RUSSIAN, per, Bumazhn Prom, No 12, 1964, pp 199-
205.

ATS RJ-5291

Sci-Chem
July 69

385,768

Oiled-cotton Insulation in High Voltage
Systems, by M. A. Greisukh.
RUSSIAN, bk, Bumazhno-maslyanaya i
Zolyatsiya v Vysokovoltnykh Konstruktsiyakh,
1963, 299 pp.
NLL RTS 31527 (On Loan)

Aug 65

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RUSSIAN, per, Burakan Observatory Soobshcheniya,
No 16 (xvi), 1955.

CIA/FDD X-2176

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RUSSIAN, per, Burakan Observ, Vol XVII, 1956.

CIA/FDD X-2333

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CIA/FDD X-2333

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21052

14 Mar 69 SF

Selected pages from book by A.L.II'skiy

Russian, book, Burovyie mashiny, mekhanizmy i soorusheniya, Moscow, 1967, pp129-131, 142, pp254-257, 322, 350, pp450-452,

Special Type "B": Translator's draft plus one incl. captions to diagrams, tables incl. etc.

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Buryatiya, by I. I. Galaktionov, 2 pp.

RUSSIAN, bk, ~~25~~ Buryatiya, 1959, extracts pp 4-91.
(Call No. HC337 B9G14 Eng Tr)

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Geog
May 63

A HIGH-SPEED TRANSISTORIZED MULTIPLICATION CIRCUIT,
BY A. F. SMIRNOV, 13 PP.

RUSSIAN, BK, BYCHISLITEL'NAYA I INFORMATIEM, SBORNIK
MATERIALOV KINFERENTSI PO OBRABOTKE INFORMAT, MASHIN-
NOMU PEREVODU I AVTOMATICHESKOMU CHTENIYU TEBSTA,
SOSTOYASHEYSYA V MOSKVE 24-31 YANVARYA 1961 GODA,
MOSCOW, 1962, PP 1-222.

JPRS 21446

SCI-MATH & DATA PROC
OCT 63

340,570

ALTERNATING CURRENT ADDRESS SYSTEM POWER SUPPLY,
BY V. N. PETRUNICHEV, 9 PP.

RUSSIAN, BK, BYCHISLITEL'NAYA I INFORMAT TEKH, SBORNIK
MATERIALOV KINFERENTSII PO OBRABOTKE INFORMAT, NASHIM-
NOUM PEREVODU I AVTOMATICHESKOMU CHTENIYU TEDSTA,
SOSTOYASHEYSYA V MOSKVE 24-31 YANVARYA 1961 GODA,
MOSCOW, 1962, PP 1-222.

JPRS 21446

SCI-MATH & DATA PROC
OCT 63

346,584

CONTEMPORARY PROBLEMS OF SCIENTIFIC AND TECHNICAL
INFORMATION, BY A. I. MIKHAYLOV, 9 PP.

RUSSIAN, BK, ~~BY~~CHISLITEL'NAYA I INFORMAT TEKH, SBORNIK
MATERIALOV KONFERENTSII PO OBRABOTKE INFORMAT, MASHIN-
NOMU PEREVODU I AVTOMATICHESKOMU CHTENIYU TEKSTA,
SOSTOYASHEYSYA V MOSKVE 24-31 YANVARYA 1961 GODA,
MOSCOW, 1962, PP 1-222.

JPRS 21446

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246,573

COMPARISON OF PARAMETERS OF FERRITE-DIODE, FERRITE
TRANSISTOR, SEMICONDUCTOR AND VACUUM TUBE LOGICAL
CIRCUITS, BY B. I. PEREL'MAN.

RUSSIAN, BK, RYCHISLITEL'NAYA I INFORMAT TEKH, SBORNIK
MATERIALOV KINFERENTSII PO OBRABOTKE INFORMAT, MASHIN-
NOMU PEREVODU I AVTOMATICHESKOMU CHTENIYU TEKSTA,
SOSTOYASHEYSYA V MOSKVE 24-31 YANVARYA 1961 GODA,
MOSCOW, 1962, PP 1-222.

JPRS 21446

SCI-MATH & DATA PROC
OCT. 63

346,575

FRAN

CONSTRUCTION OF A HIGH-CAPACITY MAGNETIC MEMORY UNIT,
BY K. K. BRILING, YU. KH. KRIVORUTSKIY, 7 PP.

RUSSIAN, BK, BYCHISLITEL'NAYA I INFORMAT TEKH, SBOENIK
MATERIALOV KINFERENTSII PO OBRABOTKE INFORMAT, MASHIN-
NOUM PEREVODU I AVTOMATICHESKOMU CHTENIYU TEDSTA,
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JPRS 21446

SCI-MATH & DATA PROC
OCT. 63

346,589

CURRENT TRENDS IN THE DEVELOPMENT OF MAGNETIC OPERATIVE
MEMORY UNITS, BY R. V. SMIRNOV, 20 PP.

RUSSIAN, BK, BYCHISLITEL'NAYA I INFORMAT, MASHIN-
NOUM PEREVOODU I AVTOMATICHESKOMU CHTENIYU TEDSTA,
SOSTOYASHEYSYA V MOSKVE 24-31 YANVARYA 1961, GODA,
MOSCOW, 1962, PP1-222.

JPRS 21445

SCI-MATH & DATA PROC
OCT-63
MAGNETI

346,586

EXPERIENCE IN THE INDUSTRIAL EXPLOITATION OF THE MOZU-
1000 MAGNETIC MEMORY DEVELOPMENT OF THE LEM VINITI, BY
N. A. KARAL'NIK, 6 PP.

RUSSIAN, BK, BYCHISLITEL'NAYA I INFORMAT TEKH, SBORNIK
MATERIALOV KINFERENTSII PO OBRABOTKE INFORMAT, MASHIN-
NOUM PEREVODU I AVTOMATICHESKOMU CHTENIYU TEDSTA,
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MOSCOW, 1962, PP 1-222.

JPRS 21446

SCI-MATH & DATA PROC
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INDUSTRIALLY PRODUCED MAGNETIC FERRITE ELEMENTS,
BY K. I. KUREAKOV, V. I. KUZNETSOV, 31 PP.

RUSSIAN, BK, BYCHISLITEL'NAYA I INFORMAT TEKH, SBORNIK
MATERIALOV KINFERENTSII PO OBRABOTKE INFORMAT, MASHIN-
NOUM PEREVODU I AVTOMATICHESKOMU CHTENIYU TEDSTA,
SOSTOYASHEYSYA V MOSKVE 24-31 YANVARYA 1961 GODA,
MOSCOW, 1962, PP 1-222.

JPRS 21446

SCI-MATH & DATA PROC
OCT

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ON FUNDAMENTALS FOR DESIGNING MACHINES FOR INFORMATION
PROCESSING, BY ~~XX~~ A. M. VASIL'YEV, 11 PP

RUSSIAN, BK, ~~BY~~CHISLITEL'NAYA I INFORMAT TEKH, SBORNIK
MATERIALOV KONFERENTSII PO OBRABOTKE INFORMAT, MASHIN-
NOMU PEREVODU I AVTOMATICHESKOMU CHTENIYU TEKSTA,
SOSTOYASHEYSYA V MOSKVE 24-31 YANVARYA 1961 GODA,
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JPRS 21446

SCI-MATH & DATA PROC
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THE LEM-1-24 GENERAL-PURPOSE AUTOMATIC COMPUTER BASED
ON FERRITE-DIODE MODULES, BY A. I. POSTERNAK,
I. I. PANFILOVA, ET AL, 9 PP.

RUSSIAN, BK, BYCHISLITEL'NAYA I INFORMAT TEKH, SBORNIK
MATERIALOV KINFERENTSI I PO OBRABOTKE INFORMAT, MASHIN-
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MOSCOW, 1962, PP 1-222.

JPRS 21446

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LONG TERM MEMORY DEVICES, BY K. I. KUREAKOV, 41 PP.

RUSSIAN, BK, BYCHISLITEL'NAYA I INFORMAT TEKH, SBORNIK
MATERIALOV KINFERENTSII PO OBRABOTKE INFORMAT, MASHIN-
NOUM PEREVODU I AVTOMATICHESKOMU CHTENIYU TEDSTA,
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MOSCOW, 1982, PP 1-222.

JPRS 21446

SCI-MATH & DATA PROC
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MAGNETIC DRUM MEMORY UNITS WITH PHASE INSCRIPTION, BY
V. I. BABIY, 10 PP.

RUSSIAN, BK, BYCHISLITEL'NAYA I INFORMAT TEKH, SBORNIK
MATERIALOV KINFERENTSII PO OBRABOTKE INFORMAT, MASXHIN-
NOUM PEREVODU I AVTOMATICHESKOMU CHTENIYU TEDSTA,
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JPRS 21446

SCI-MATH & DATA PROC
OCT. 63

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MAGNETIC MEMORY UNIT INCORPORATING MAGNETIC CONTROL
MOZU-1000. CERTAIN FACTORS INVOLVED IN ADJUSTING
INDUSTRIAL MODELS, BY N. I. GRYAZNOV, P. V. DYATLOV,
10 PP.

RUSSIAN, BK, BYCHISLITEL'NAYA I INFORMAT TEKH, SBORNIK
MATERIALOV KINFERENTSII PO OBRABOTKE INFORMAT, MASHIN-
NOUM PEREVODU I AVTOMATICHESKOMU CHTENIYU TEDSTA,
SOSTOYASHEYSYA V MOKVE 24-31 YANVARYA 1961 GODA,
MOSCOW, 1962, PP 1-222.

JPRS 21446

SCI-MATH & DATA PROC
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PARAMETRON OUTPUT UNITS, BY A. G. FEDOTEIKOV,
V. N. OZEROV, 14 PP.

RUSSIAN, BK, BYCHISLITEL'NAYA I INFORMAT TEKH, SBORNIK
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NOU PEREVODU I AVTOMATICHESKOMU CHTENIYU TEDSTA,
SOSTOYASHEYSYA V MOSKVE 24-31 YANVARYA 1961 GODA,
MOSCOW, 1962, PP 1-222.

JPRS 21445

SCI-MATH & DATA PROC
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346,585

PULSE-TYPE POWER PACK FOR THREE-CYCLE MAGNETIC
ELEMENTS, BY B. M. PAUFILOV, 7 PP.

RUSSIAN, BK, BYCHISLITEL'NAYA I INFORMAT TEKH, SBORNIK
MATERIALOV KINFERENTSII PO OBRABOTKE INFORMAT, MASHIN-
NOUM PEREVODU I AVTOMATICHESKOMU CHTENIYU TEDSTA,
SOSTOYASHEYSYA V MOSKVE 24-31 YANVARYA 1961 GODA,
MOSCOW, 1962, PP 1-222.

JPRS 21446

SCI-MATH & DATA PROC
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SEMICONDUCTORS IN DEVICES FOR THE CONTROL OF A MAGNETIC
DECODER AND IN RAPID-CARRY KEYS FOR PARALLEL-ACTION
FERRITE-DIODE CIRCUITS, BY B. I. PEREL'MAN, 37 PP.

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MATERIALOV KINFERENTSI I PO OBRABOTKE INFORMAT, MASHIN-
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MOSCOW, 1962, PP 1-222.

JPRS 21416

SCI-MATH & DATA PROC
OCT. 63

346,577

TRANSISTOR AND FERRITE TRANSISTOR ELEMENTS, BY
N. D. FEDOTOV, 11 PP.

RUSSIAN, BK, BYCHISLITEL'NAYA I INFORMAT TEKH, SBORNIK
MATERIALOV KINFERENTSII PO OBRABOTKE INFORMAT, NASHI-
NOMU PEREVODU I AVTOMATICHESKOMU CHTENIYU TENSTA,
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MOSCOW, 1962, PP 1-222.

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Institute, 13 pp.

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Vol I, No 1, 1959, pp 166-172.

SLA 60-18524

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Nucleoproteins, by V. S. Tongur, P. I. Tseytlin,

8 pp.

RUSSIAN, per, Bysokomolekulyarnyye Soyedineniya, Vol II
No 5, 1960, pp 817-822.

JPRS 5337

1 - Nuc Phys
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RUSSIAN, bk, Bystrydaystvuyushchaya Elektronnaya Schetnaya Mashina AN-SSSR (Magnitnoye Zapominoyushcheye Ustroystvo), Moscow, 1957, 76 pp.

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High-Speed Ferromagnetic Memory Units, by
L. P. Krayzmer, 404 pp.
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Zapominayushchiye Ustroystva, 1964, pp 1-371.
FI00135268-V
FTD-MF-66-62

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The M-2 High-Speed Computer, by M. A. Kartsev,
T. M. Aleksandridi, V. D. Knyazev, et al,
470 pp.

RUSSIAN, bk, Bystrodaystvuyushchaya
Vychislitel'naya Mashina M-2, 1957, pp 228.
9662544

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Jul 61
Telecom 41319

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Full translation (6 vol, 36 issues)
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On Fish Behavior in the Zone Before a Trawl Under
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the Trees to Herbs), 7p. (text in German).
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DESCRIPTORS: *Plants, *Genetics, *Trees.

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Order from OTS or SLA \$4.60 63-14920

Trans. of [Akademiya Nauk SSSR. Institut Teoretich-
eskoi Astronomii. Byulleten'] n.d., v. 3, no. 45,
p. 115-152.

DESCRIPTORS: *Stellar eclipses, *Variable stars,
*Stars, Optical properties, Mathematical analysis,
Astronomical data, *Tables, Astronomy, Photometry.

(Astronomy--Astrophysics, TT, v. 10, no. 9)

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CONDITIONS OF APPLICATION OF STOKES' CLASSIC
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RIES. [1962] [31]p. 18 refs. ACIC RR-40-(F-G).
Order from OTS or SLA \$3.60 62-25441

Trans. of Akademiya Nauk SSSR. Institut Teoreticheskoi
Astronomii. Byulleten' 1949, v. 4, no. 6(59)
p. 270-286.

DESCRIPTORS: *Computers, *Numerical methods and
procedures, Determination, Earth, Geometric forms,
*Trigonometry, *Series, *Geodesics, Gravity
anomalies.

(Earth Sciences--Geodesy, TT, v. 9, no. 10)

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- I. Zhongolovich, I. D.
- II. Kullkov, D. K.
- III. Title: Use...
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- V. Aeronautical Chart and
Information Center,
St. Louis, Mo.

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VOL. 5, NO. 8(71): [SELECTED ARTICLES]. [962]
[184]p. 48 refs. ACIC RR-40.
Order from OTS or SLA \$13.00 62-15988

Trans. of Akademiya Nauk SSSR. Institut Teorēticheskoi Astronomii. "Byulleten", 1953, v. 5, no. 8(71)
p. 461-559.

DESCRIPTORS: Astronomy, *Astronomical data,
Navigation charts, *Moon, *Computers.

Contents:

Summary of the Conference on the "Astronomical
Yearbook of the USSR"

The Astronomical Yearbook of the USSR and the basic
tasks of ephemeris astronomy, by M. F. Subbotin
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(Astronomy, TT, v. 8, no. 7) (over)

1. Title: Ephemeris
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Shmakova, M. Ya. and Sochilina, A. S.
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 ORBIT OF AN ASTEROID. [1963] 8p 4refs
 Order from OTS, SLA, or BTC \$1.10 TT-63-20613

Trans. of [Akademiya Nauk SSSR], Institute
 Teoreticheskoi Astronomii, Bulletin, 1958, v. 7,
 no. 1(84) p. 72-75. (Abstract available)

DESCRIPTORS: *Numerical methods and procedures.
 Analytic geometry, *Circular orbit trajectories.
 *Orbital trajectories, *Asteroids, Celestial mechanics.

A method is proposed for determining the radius of the
 circular orbit which is based on the replacement of the
 condition of the circular orbit $v_2 - v_1 = ka^{-3/2}$
 $(t_2 - t_1)$ by the approximate equality $\gamma = ka^{-3/2}$
 $(t_2 - t_1)$, where γ is the known angle between the
 geocentric directions. The value of the radius found
 from this condition is either a good first approximation,
 or (in the majority of cases) its final value. (Author)

TT-63-20613

I. Shmakova, M. Ya.
 II. Sochilina, A. S.

(Astronomy--Astrophysics,
 TT, v. 11, no. 3)
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THE EQUATIONS OF CELESTIAL MECHANICS:
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p. 257-286.
Other translations of each article available elsewhere.

DESCRIPTORS: *Celestial mechanics, *Differential equation, Integration, Errors, Theory, Numerical methods and procedures.

Contents:

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(Astronomy--Astrophysics, TT, v. 6, no. 12) (over)

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Dahlgren, Va.

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Batrakov, Yu. V.
THE DETERMINATION OF PRELIMINARY ORBITS
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THE TIMES OF WHICH ARE ONLY KNOWN AP-
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Kotorykh Iavestny Priblizhenno) tr. by J. W. Palmer.
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AD-246 605.
Order from OTS, SLA, or ETC \$1.60 TT-63-24313

Trans. of [Akademiya Nauk SSSR] Institut
Teoreticheskoi Astronomii, Byulleten', 1960, v. 7,
no. 7(90) p. 570-580. (Abstract available)

DESCRIPTORS: *Satellites (Artificial), *Orbital
trajectories, Determination, Numerical methods and
procedures, Equations, Vector analysis.

(Engineering--Satellite Vehicles, TT, v. 11, no. 2
(over)

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- II. RAE Trans-919
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Vlodavetz, V. I.
PASSIVE AND ACTIVE DEFENSE FROM THE CAT-
ASTROPHIC ERUPTIONS OF VOLCANOES (Passiv-
naya i Aktivnaya Zashchita pri Katastroficheskikh
Vulkanov) tr. by M. Slessers. 1961 [33]p. 10 refs.
HO Trans-110.

Order from OTS or SLA \$3.60 61-28000

Trans. of Akademiya Nauk SSSR, Kamchatskaya
Vulkanologicheskaya Stantsiya, Klyuchi. (Byulleten'
Vulkanologicheskoi Stantsii [na Kamchatke] 1959,
no. 28, p. 79-91.

DESCRIPTORS: *Volcanoes, *Damage control.

A review of major volcanic eruptions in the past and
present constitutes the basis for analysis of various
types of volcanic activity in the world with a view to
pointing out the necessary protective steps to be taken
(Earth Sciences--Geology, TT, v. 7, no. 4) (over)

- I. Vlodavetz, V. I.
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Washington, D. C.

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Petrov, O. M.
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CHUKOTSK PENINSULA

M. C. Blake, tr. [1964] [29p] 15refs

Order from OTS, SLA, or ETC \$2.60 TT-64-15215

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 PROCESSES (Primenenie Radiouglerodnogo Metoda k
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 Opredeleniyu Absolyutnogo Vozrasta Geologicheskikh
 Formatsii. [Byulleten'] 1962, no. 3, p. 33-42.

DESCRIPTORS: *Sedimentation, Oceans, *Ocean
 bottom sampling, *Geologic age determination,
 Scintillation counters, Marine geology, Geochemistry,
 Oceanology.

(Earth Sciences--Oceanography, TT, v. 11, no. 1)

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I. Starik, I. E.
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LOCITIES OF ELASTIC WAVES FOR SMALL BASES
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PROPERTIES. [1961] 9p.
Order from ATS \$16.60 ATS-01N54R

Trans. of Akademiya Nauk SSSR. Sovet [po]
Seismologii i Byull[et]en' 1960, no. 8, p. 217-225.

DESCRIPTORS: Propagation, Velocity, *Seismic
waves.

(Earth Sciences--Seismology, TT, v. 6, no. 12)

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- II. ATS-01N54R
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